

Unlocking the Future of Accessibility with AI

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Partner Strategy
AI for Accessibility

An abstract network graphic consisting of numerous interconnected nodes and lines, forming a complex web. The nodes are colored in shades of purple, blue, and green, and the lines are thin and light-colored. The overall effect is a sense of connectivity and data flow.

Agenda

My Journey

Accessibility

The Journey of Accessibility Innovation

Microsoft AI for Accessibility Program

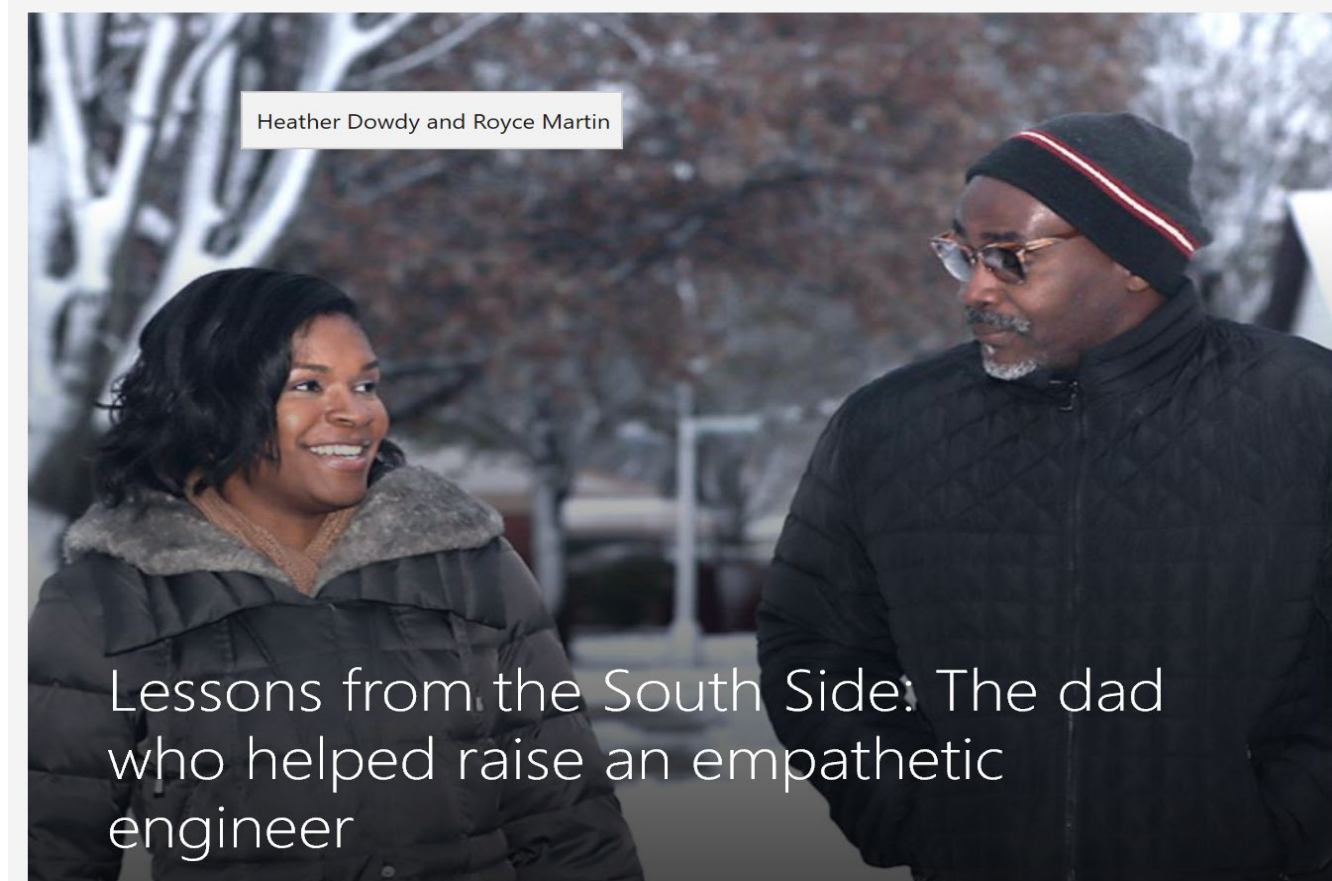
Inclusive AI Design

AI for Accessibility Projects

My Journey



The Story of Flashing Lights



Heather Dowdy and Royce Martin

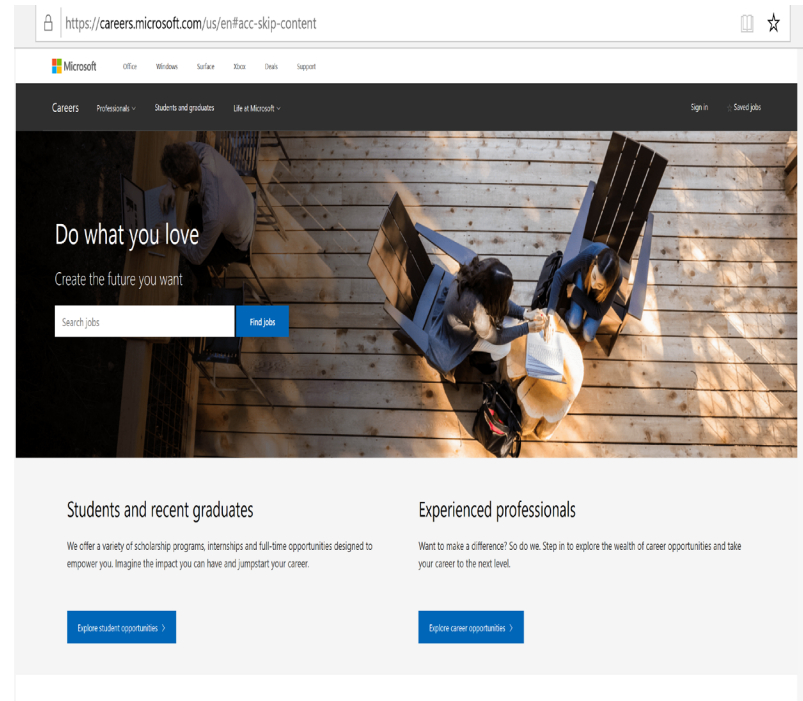
Lessons from the South Side: The dad who helped raise an empathetic engineer

INTERSECTIONALITY

My Career Journey



Mobile



Web



AI for Accessibility

A Microsoft grant program that harnesses the power of AI to amplify human capability for more than one billion people around the world with a disability.

Pushing the limits of what AI can do in accessibility

AI



Along the Way...

Accessibility



Accessibility is a responsibility

1 + billion

people have disabilities, many of whom need assistive technology

and

disability can affect any of us at any time

Mismatched human interactions

Touch



one arm



arm injury



new parent

See



blind



cataracts



distracted driver

Hear



deaf



ear infection



bartender

Speak



non-verbal



laryngitis



heavy accent

Accessibility empowers people with disabilities at work, school, and in daily life



Vision



Hearing



Neurodiversity



Learning



Mobility



Mental Health

Inclusion drives innovation for everyone



Inclusive Design

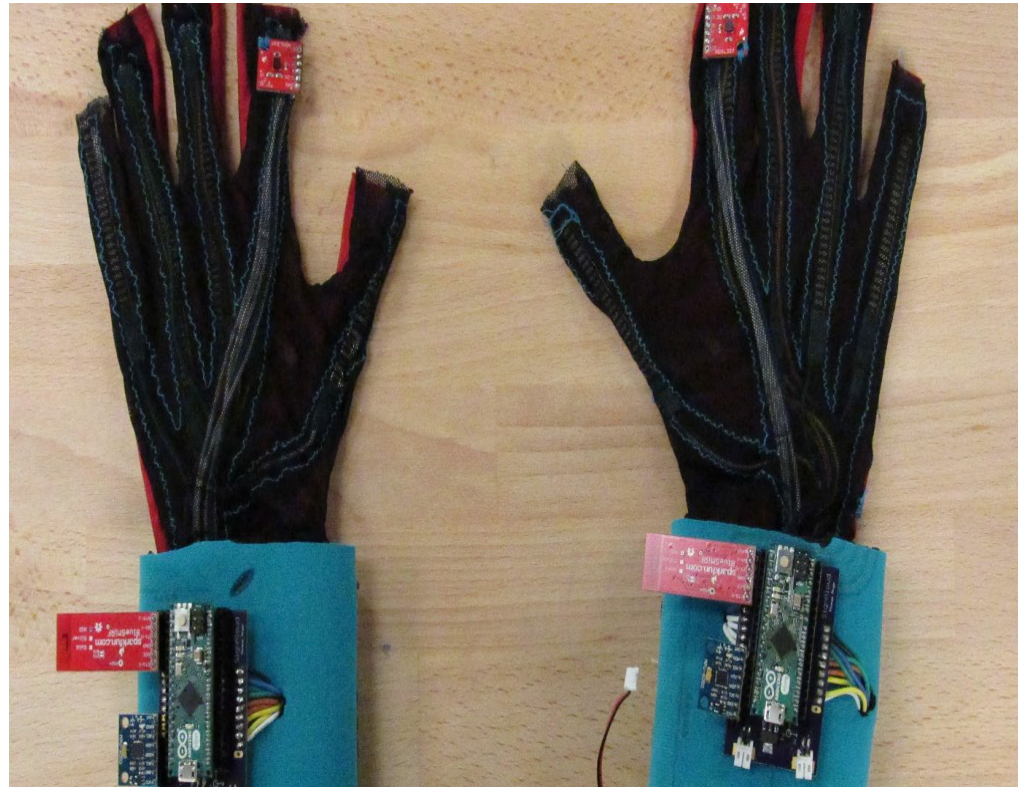
<https://www.youtube.com/watch?v=7NYtl7vnIBg&t=0s>

The Journey of Accessibility Innovation



Accessibility Innovation: This or That?

Sign Language recognition gloves

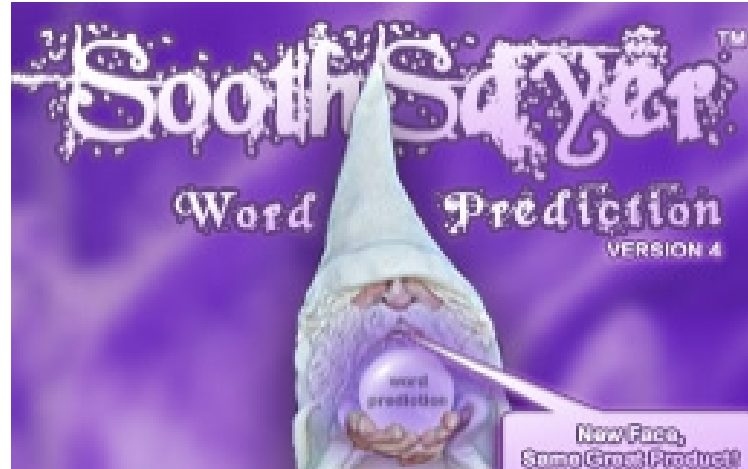
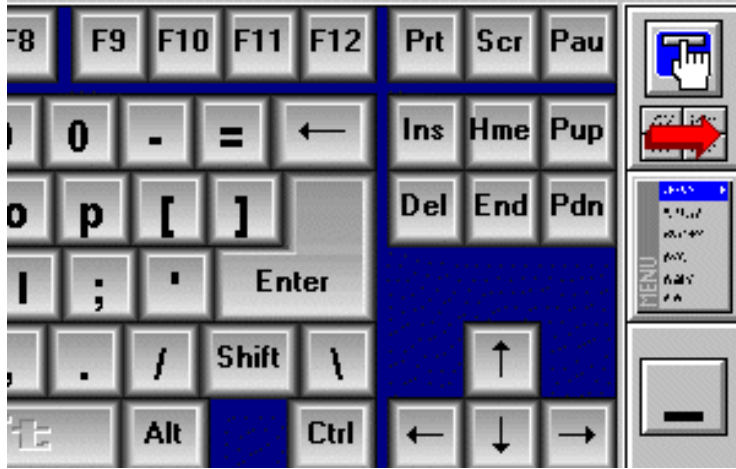


VS.

Wawa – Deaf rapper & musician during SuperBowl 2021



What Accessibility Innovation Has Been



Onscreen keyboard



Word Prediction



Magnification

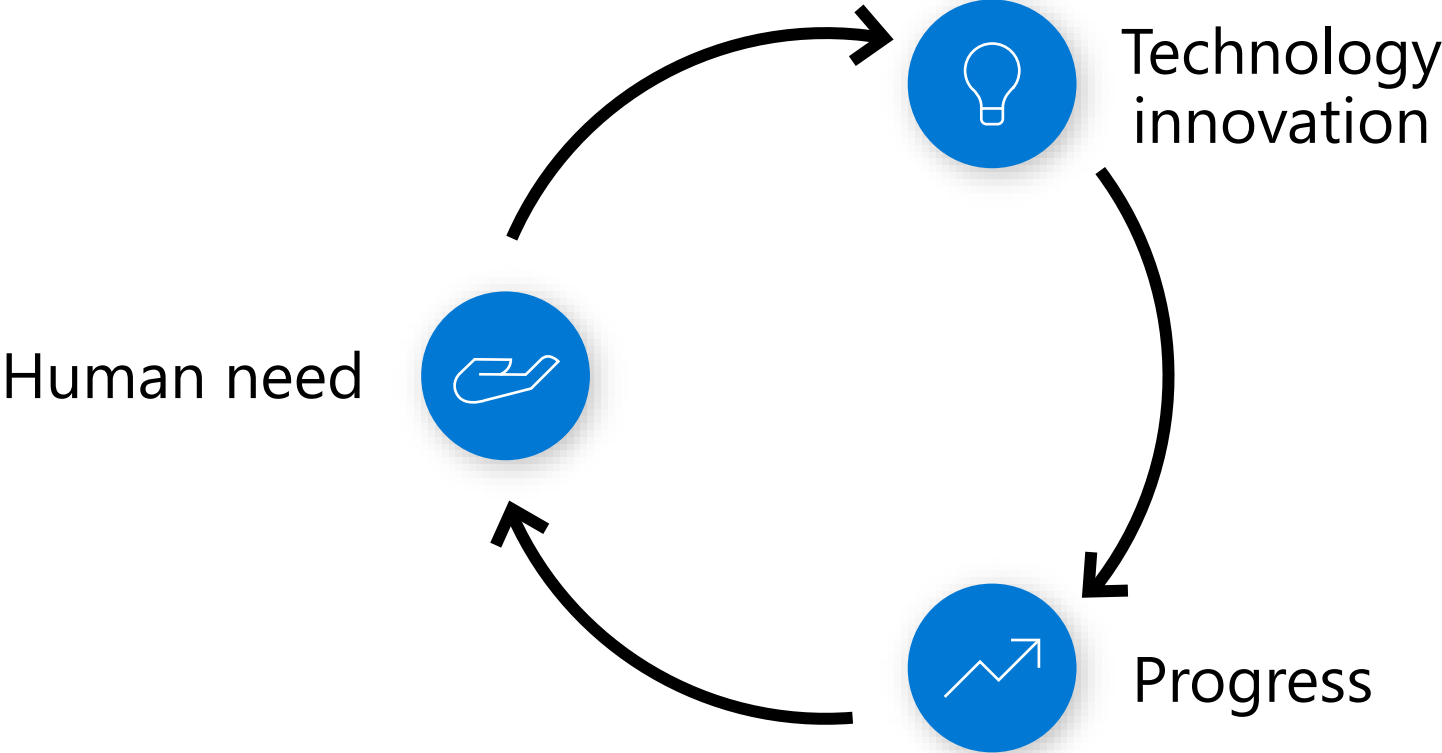


Need



Progress

Cycle of Innovation



Seeing AI Video

https://youtu.be/bqeQByqf_f8

Seeing AI App



Short Text

Speaks text as soon as it appears in front of the camera

+ Person + Scene + Currency + Light
+ Documents + Products



Color

Describes the perceived color





**What do we
want the world
to look like in 5
years?**

*MICROSOFT'S MISSION:
EMPOWER EVERY PERSON AND
EVERY ORGANIZATION ON THE
PLANET TO ACHIEVE MORE*